

Abstract

5 This invention provides for a novel orthopedic  
prosthesis, specifically a prosthetic acetabular  
component for a prosthetic total hip joint, that  
comprises two constructs, one being a metal base  
construct that engages the bone and the other being a  
polyethylene bearing construct that attaches to the  
metal base construct and articulates with a femoral  
stem prosthetic component on the opposing side of the  
10 joint. The metal base construct is composed of two  
different metals, one of which engages the bone  
surface and the other of which engages the  
polyethylene bearing construct. Each of these metals  
is selected so that its characteristics are well  
15 suited to its particular function. More particularly,  
the first metal (i.e., the one that engages the bone  
surface) is selected so as to provide a superior  
bone-engaging face, while the second metal (i.e., the  
one that engages the polyethylene bearing construct)  
20 is selected so as to provide a superior

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